Journal of Hydrology, 106 (1989) 399–400
Elsevier Science Publishers B.V., Amsterdam — Printed in the Netherlands

CONTENTS VOL. 106, 1989

Review Papers

Chemical hydrogeology in natural and contaminated environments
W. Back and M.J. Baedecker (Reston, Va., U.S.A.) 1
Hydrogeology of sedimentary basins
C.W. Kreitler (Austin, Tex., U.S.A.) 29

Research Papers

Reconnaissance estimates of natural recharge to desert basins in Nevada, U.S.A., by using chloride-balance calculations
M.D. Dettinger (Carson City, Nev., U.S.A.) 55
Groundwater level and hydrochemistry in the San Jacinto Basin, Riverside County, California
M.J. Schlehuber, T.-C. Lee and B.S. Hall (Riverside, Calif., U.S.A.). 79
Chemical characteristics and suspended sediment load of meltwaters from a Himalayan glacier in India
S.I..Hasnain, V. Subramanian and K. Dhanpal (New Delhi, India) 99
Fluorine occurrence in groundwater in Israel and its significance
U. Kafri, A. Arad and L. Halicz (Jerusalem, Israel) 109
Effects of variations in recharge on groundwater quality
D.O. Whittemore (Lawrence, Kans., U.S.A.), K.M. McGregor (Denton, Tex., U.S.A.) and G.A. Marotz (Lawrence, Kans., U.S.A.). 131
Continuous inflow of seawater and outflow of brackish water in the substratum of the karstic island of Cephalonia, Greece
C. Droque (Montpellier, France) 147
Hydrogeochemical controls of inorganic aluminium in acidic stream and soil waters at two upland catchments in Wales
C. Neal (Wallingford, U.K.), B. Reynolds, P. Stevens (Gwynned, U.K.) and M. Hornung (Grange over Sands, U.K.). 155
Distribution of depth of overland flow on desert hillslopes and its implications for modelling soil erosion
A.D. Abrahams (Buffalo, N.Y., U.S.A.), A.J. Parsons (Keele, U.K.) and S.-H. Luk (Mississauga, Ont., Canada) 177
Prediction of salt transport during leaching of saline soils for reclamation
C. Misra and S.N. Mahapatra (Ghubaneswar, India) 185

Announcement 191

Research Papers

An unbiased plotting position formula for the general extreme value distribution
N. In-na and V.-T.-V. Nguyen (Montreal, Que., Canada) 193
A new procedure for gridding elevation and streamline data with automatic removal of spurious pits
M.F. Hutchinson (Canberra, A.C.T., Australia) 211
The effect of snowmelt on the hydrogen isotope ratios of creek discharge in Surprise Valley, California
N.L. Ingraham (Ottawa, Ont., Canada) and B.E. Taylor (Las Vegas, Nev., U.S.A.). . . . 233

An isotope study of water bodies along a traverse of southwestern Canada
C.J. Yonge, L. Goldenberg and H.R. Krouse (Calgary, Alta., Canada) 245
A stochastic cluster model for hourly precipitation data
J.D. Istok and L. Boersma (Corvallis, Oreg., U.S.A.). 257
The diagnosis of seventy municipal water supply boreholes in Lima, Peru
S. Puri, J.L. Petrie (Basingstoke, U.K.) and C. Valenzuela Flores (Lima, Peru) 287
Sources and flow of North Canterbury Plains groundwater, New Zealand
C.B. Taylor (Lower Hutt, New Zealand), D.D. Wilson (Christchurch, New Zealand), L.J. Brown, M.K. Stewart (Lower Hutt, New Zealand), R.J. Burden (Auckland, New Zealand) and G.W. Brailsford (Lower Hutt, New Zealand) 311
Hydrology and water quality aspects of Rhine bank groundwater in The Netherlands
P.J. Stuyfzand (Nieuwegein, The Netherlands) 341
River discharge estimated from channel dimensions
G. Wharton (Southampton, U.K.), N.W. Arnell (Wallingford, U.K.), K.J. Gregory and A.M. Gurnell (Southampton, U.K.) 365

Discussions

Bushfire hydrology – The case of leaking watersheds – Comment
G. Kuczera (Newcastle, N.S.W., Australia), M.D. Jayasuriya and P.J. O'Shaughnessy (Melbourne, Vic., Australia). 377
Bushfire hydrology – The case of leaking watersheds – Reply
T.M. Daniell and V. Kulik (Canberra, A.C.T., Australia) 381
Type curves in patchy aquifers – Comment
J.A. Barker (Wallingford, U.K.) 387
Type curves in patchy aquifers – Reply
Z. Sen (Istanbul, Turkey) 387
Pumping tests in nonuniform aquifers – The radially symmetric case – Comment
J.A. Barker and R. Herbert (Wallingford, U.K.). 391

Book Reviews

The SAMWAT Database for Computer Models in Water Management by C. Volp and A.C.W. Lambrechts – W.H. van der Molen 393
Soils, Water and Nutrients in a Forest Ecosystem in Suriname by R.H.L. Poels – W.H. van der Molen 393

Other Publications Received 395

Erratum. 397

Announcement 398